

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A system for providing an exhibition information service through wireless communication, comprising:

wireless connection devices for preparing for connection to a wireless terminal in a service region, and outputting information for the wireless terminal through a network; and

an exhibition information server for processing an information service corresponding to the information inputted through the network,

wherein the connection is automatically initiated when the wireless terminal enters the service region.

2. (original): The system according to claim 1, wherein the wireless connection devices each respectively comprise:

a wire communication processing unit for transmitting the signal from the wireless terminal to the exhibition information server through the network, and receiving the data from the exhibition information server through the network; and

a wireless communication processing unit for receiving the signal from the wireless terminal, and transmitting the data through air according to a data transmission request signal

outputted from the exhibition information server through the network and received in the wire communication processing unit.

3. (currently amended): The system according to claim 2, wherein the wireless connection devices further comprise a control unit for setting up an address of the wireless terminal, for connecting and communicating with the wireless terminal, when receiving a connection request signal from the wireless terminal, and for controlling the connection or disconnection of the wireless terminal.

4. (original): The system according to claim 3, wherein the wireless connection devices further comprise a data converting unit for converting a signal from the wireless terminal into a data which can be transmitted through the network, and also converting a data from the exhibition information server into a data which can be transmitted through air.

5. (original): The system according to claim 1, wherein the exhibition information server comprises:

an interface processing unit for smoothly performing the communication between the wireless terminal and the wireless connection device according to the information for the wireless terminal outputted through the network;

a connection/disconnection processing unit for reading the data processed in the interface processing unit, and enabling the wireless connection devices to set up the connection or disconnection to/from the wireless terminal;

an exhibition menu providing unit for providing a data including the exhibition information menu so that the wireless terminal connected to the wireless connection device can read the information for the exhibits, when the connection setup is processed by the connection/disconnection processing unit; and

an input/output data processing unit for receiving the data from the wireless connection device, and outputting the information corresponding to the menu selection signal from the wireless terminal according to the output data from the exhibition menu providing unit.

6. (original): The system according to claim 5, wherein the exhibition information server further comprises an exhibition database for storing information for the exhibits on exhibition in order to provide the exhibition information for the exhibits.

7. (original): The system according to claim 6, wherein the exhibition information server further comprises a wireless connection device database for storing position information for the wireless connection device connected to the wireless terminal, and data for the exhibit which the wireless terminal selects to read the exhibition information.

8. (original): The system according to claim 7, wherein the exhibition information server further comprises a wireless connection information database for storing the information for the wireless terminal connected to the wireless connection device.

9. (currently amended): A method for providing an exhibition information service through wireless communication, comprising:

a wireless connection step for preparing for connection to a wireless terminal in a service region, and outputting information for the wireless terminal through a network; and

an exhibition information service step for processing an information service corresponding to the information inputted through the network,

wherein the connection is automatically initiated when the wireless terminal enters the service region.

10. (currently amended): The method according to claim 9, wherein the wireless connection step comprises the steps of:

judging whether a connection request signal is received from the wireless terminal;

transmitting a connection command signal between a wireless connection device and the wireless terminal; and

providing, from a device different from the wireless terminal, ~~an~~ initial screen data including an exhibition information menu to the wireless terminal.

11. (original): The method according to claim 10, wherein the exhibition information service step comprises the steps of:

judging whether a selection signal for a specific exhibit is received from the wireless terminal according to the initial screen data; and

providing the exhibition information for the exhibit corresponding to the selection signal.

12. (original): The method according to claim 11, wherein, when the exhibition information relates to an art object, the exhibition information comprises explanations of the selected art object and information for the artist thereof.

13. (original): The method according to claim 12, wherein the explanations of the art object comprise at least one of a genre, constitution, representation technique, production process, appreciation method and appreciation article.

14. (original): The method according to claim 11, wherein the step for providing the exhibition information for the selected exhibit comprises the steps of:

confirming the connection state between the wireless terminal and the wireless connection device for providing the service; and

providing the exhibition information for the selected exhibit according to the confirmed information.

15. (original): The method according to claim 14, wherein the step for confirming the wireless connection device for providing the service, comprises the steps of:

detecting the position of the wireless connection device connected to the wireless terminal, and the position of the exhibit selected by the wireless terminal; and

judging whether the detected wireless connection device is set up to provide the service for the selected exhibit to the wireless terminal.

16. (original): The method according to claim 15, further comprising the steps of:
transmitting a disconnection command signal from the wireless terminal to the wireless connection device, when the detected wireless connection device cannot provide the service; and
connecting the wireless terminal disconnected from the wireless connection device according to the disconnection command to the wireless connection device set up to provide the service, and providing the exhibition information service according to the selection signal.

17. (original): The method according to claim 14, wherein the step for providing the exhibition information for the selected exhibit comprises the steps of:

providing a detailed menu corresponding to the exhibition information for the selected exhibit according to the selection signal; and

providing detailed information for the selected exhibit according to the selection signal of the detailed menu.

18. (original): A method for providing an exhibition information service through wireless communication, comprising the steps of:

preparing for connection for wireless communication with a wireless terminal in a service region;

wireless-connecting to the wireless terminal according to a connection signal; and

transmitting an initial screen to provide the service to the wireless terminal,

wherein said connection for wireless communication is automatically initiated when the wireless terminal enters the service region.

19. (original): The method according to claim 18, further comprising a step for providing the service according to a selection signal of the initial screen from the wireless terminal.

20. (original): A method for providing an exhibition information service through wireless communication, comprising the steps of:

preparing for connection for wireless communication with a wireless connection device in a service region; and

receiving an initial screen from the wireless connection device in order to read the exhibition information.

21. (original): The method according to claim 20, further comprising the steps of:
selecting the menu in the initial screen in order to request the service; and
receiving information corresponding to the menu selected by the wireless terminal.